Rec'd PCT/PTO 0.6 MAY 2005 (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY PCZ 5

(19) World Intellectual Property Organization

International Bureau



I IDDID DINITOR II BIDING NAME BENT BENT DIDI IN NE BONK BUBSI BING MEN BIDIN IDIK BIDISH IBBS NEK INTE

(43) International Publication Date 27 May 2004 (27.05.2004)

PCT

(10) International Publication Number WO 2004/045249 A1

(51) International Patent Classification⁷:

H05B 1/02

(21) International Application Number:

PCT/US2003/035583

(22) International Filing Date:

7 November 2003 (07.11.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/425,175

8 November 2002 (08.11.2002) U

- (71) Applicant (for all designated States except US): BUNN-O-MATIC CORPORATION [US/US]; 1400 Stevenson Drive, Springfield, IL 62703 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): KNEPLER, John, T. [US/US]; 2404 Hampshire Place, Springfield, IL 62707 (US).

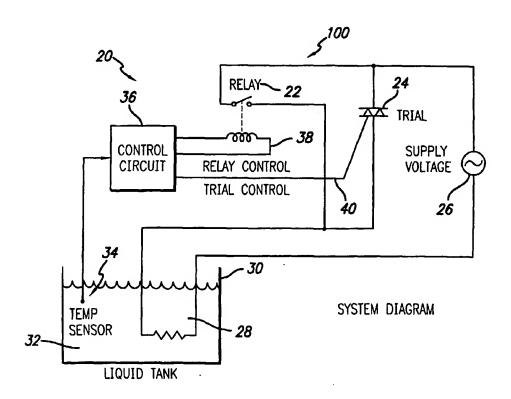
- (74) Agents: PETERS, Grant, H. et al.; Barnes & Thornburg, P.O. Box #2786, Chicago, Il 60690-2786 (US).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR).

Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL,

[Continued on next page]

(54) Title: ELECTRONIC THERMOSTAT FOR LIQUID HEATING APPARATUS



(57) Abstract: An electronic thermostat (20) has a mechanical switch (22) and a solid-state switch (24). The electronic thermostat (20) is suitable for use in a liquid heating apparatus, such as a coffee maker or any other apparatus that dispenses heated beverages. In an illustrative embodiment, the electronic thermostat (20) has a controller (36) and a temperature sensor (34).